Chapter 1 – Selenium Introduction

1. What is a Selenium?
2. What are the components of Selenium?
3. What are the drawbacks of Selenium RC
4. Why do you use Selenium for your project?
5. Who decides Selenium for your project?
6. What type of testing is Selenium used for?
7. For Regression Testing
8. List out the names of programming languages, browsers and that are supported by Selenium.
9. What are the significant changes/upgrades in various Selenium versions?
10. What do you mean by Selenese?
11. Selenium commands, also known as "Selenese" are the set of commands used in Selenium that run your tests. For example, command - open (URL); launches the desired URL in the specified browser and it accept both relative and absolute URLs.
12. A sequence of Selenium commands (Selenese) together is known as a test script.
13. Mention the advantages of using Selenium as an automation tool
14. What are the disadvantages of Selenium

Chapte2 – WebDriver Set up

1. What are the software we required for Selenium Set up
2. Who configure WebDriver in your computer

Chapter3 – Locating Elements

1. What is locating elements in selenium?
2. How do you locate elements in selenium?

We can locate the elements with findElement and findElements methods

1. What are the locators are there in selenium?
2. Which locator are you using to locate the element in your project

xpath

1. driver.findElement(By.id(“value”))

what is driver

what is findElement

what is By

what is id

1. locating elements is same in all browsers – yes

html code wont change browser to browser

1. what is the difference between findElement and findElements methods

findElement returns single WebElement and findElements method returns list of WebElements

1. When do you use findElement and findElements
2. What is xpath?
3. What types of xpath do we have?
4. Which type of xpath do you use?
5. What is Html dom?
6. What are the xpath Syntaxes do you know explain?
7. When do you use xpath?
8. How do you locate element in web application
9. How do you handle elements which attribute values are dynamically changing?
10. How do you handle duplicate elements
11. Difference between absolute xpath and relative xpath?

Chapter4 – Working with Elements

TextBox:

1. How do you find text box is exist or not?
2. If the element is not exist then what isDisplayed() returns?
3. How do you enter data into text box?

By using sendKeys() method

\*4.How do you enter data into text box without using sendKeys() method

driver.get("http://www.google.com");

JavascriptExecutor j = (JavascriptExecutor)driver;

j.executeScript ("document.getElementById('APjFqb').value=”Selenium'");

1. How do you focus in Text box?
2. How do you find text box is enabled/disabled?
3. How do you clear text box value?
4. How do you retrieve text box value?

Text Area / multiline text box:

1. How do you enter multiple lines in Text area text box?
2. How do you enter required data after given line in multiple line text box?

Checkbox:

1. How do you differentiate text box and check box in html code
2. How do you select/unselect check box

By using click method

1. How do you select check box without click method?
2. How do you find whether check box is selected or not selected

Buttons:

1. How do you click a button
2. How do you retrieve button name
3. How do you find button is enabled or disabled
4. If click() method is not working then how do you click

Dropdowns:

1. How do you retrieve default value for a single selection dropdown and multi selection dropdown?
2. How do you find given value is exist in dropdown?
3. Explain all dropdown methods
4. How do you deselect selected value from single selection dropdown?

We have to select another value

1. In which class you can find the dropdown methods?

Chapter 5 – Handling Alerts

1. What is an Alert?
2. What types of Alerts are there?
3. How do you handle Web Alerts?

By using Alert Interface

driver.switchTo().alert()

1. If you are executing below statement when alert is not present then what happened and how do you handle

driver.switchTo().alert()

we will get Exception as NoSuchAlertException hence unable to execute next statements

we can handle this by using try catch

try

{

driver.switchTo().alert();

}

catch(Exception e)

{}

1. How do you handle windows alerts?

By using Robot Class

1. How do you retrieve alert message?

driver.switchTo().alert().getText()

1. How do you accept alert OK/Yes and dismiss cancel/No

driver.switchTo().alert().accept();

driver.switchTo().alert().dismiss();

1. How do you enter message in alert

driver.switchTo().alert().sendKeys(“test”);

1. How many alerts can be there in a page?

Chapter 6 – Working with Frames;

1. How do you know that the WebElement parent element is frame?
2. How do you handle frames?

driver.switchTo().frame()

1. How do you know that your web element is under frame?

By inspecting element

1. How do you switch from frame to page

driver.switchTo().defaultContent();

1. How do you switch from child frame to parent frame?

Driver.switchTo().parentFrame();

Driver.switchTo().frame()

1. How many frames can be there in a page?

Chapter 7 – Working with Keyboard and Mouse operations

1. How do you right click on element?

contextClick()

1. How do you mouse over on element?

moveToElement()

1. How do you send keyboard keys to application

Robot obj=**new** Robot();

1. obj.keyPress(KeyEvent.VK\_TAB);
2. How do you drag and drop elements
3. Why do we use perform() method?

To work on Actions class method we have to use perform method

1. Why do we use Actions class?

To work with mouse and keyboard operations we use Actions class methods

45. Is Actions is class interface?

Chapter 8- Working with Multiple windows

1. How do you retrieve total number of browsers are opened
2. How do you close all opened browsers
3. How do you switch from one browser to another browser
4. Can you close the browser by selenium which are opened by manually
5. Explain getWindowHandle and getWindowHandles methods
6. How do you retrieve all opened browser titles

Chapter 9 – Web Table

1. What is a web table?
2. Explain the web table html tags
3. What are the methods we can use for a web table
4. How do you find total number of rows in a given web table
5. How do you find total number of cells in a given row

Chapter 10 : Element Repository

1. How do you maintain locators for WebElements in your project

We can use by using Property file or POM concepts

Mostly we use POM concepts

1. Why do we use Property file concepts in your project?
2. How do you retrieve value from property file

Chapter 11: Working with Screenshots

1. How do you take screenshots
2. Why do we need screenshots
3. Can we take screenshot WebElement level?

No, we can take screen page level

1. Where do you maintain screenshots

In results file like Excel, html

Chapter 12: Synchronization

64. What is Synchronization?

65. How do you handle Synchronization in your project?

Static wait and dynamic wait

Conditional and Unconditional

Implicit and explicit wait

66. what is the draw back for static wait

67. Give some examples where you faced Sync issues

i. page to load

ii. Element to display

iii. progress bar to reach 100%

iv. Buttons are getting enabled after entering some data

v. Dropdown to load values

vi. submitting any new data

vii. Updating data